

9-92. How does changing the inequality affect the solution graph? Notice that each system of inequalities below uses the same boundary graphs as Reyna's graph from problem 9-91. However, notice that this time the constraints are slightly altered.

Devise a method to determine which region (or regions) are solutions for each system. Shade the appropriate regions on your resource page.

a. $y \geq x^2 + x - 6$
 $y > \frac{2}{3}x$

b. $y \geq x^2 + x - 6$
 $y < \frac{2}{3}x$

c. $y \leq x^2 + x - 6$
 $y < \frac{2}{3}x$